

Rings, Ripples, and Echoes UBD (Understanding By Design) Framework: K-2nd

	Desired Results	
Goals of Program	Transfer	
Students will ... <ul style="list-style-type: none"> • Enrich their understanding of place through inquiry. • Experience National Parks as places for learning and recreation and develop a personal connection with their local National Park. • Learn about the natural patterns that shape the Muir Woods habitat. 	<ul style="list-style-type: none"> • Begin to recognize patterns in a healthy habitat. • Engage in scientific inquiry. 	
	Meaning	
	Enduring Understandings Students will understand that: <ol style="list-style-type: none"> 1. Living things need a healthy habitat to survive. 2. Individuals and communities can help protect and preserve natural environments. 	<div> Essential Question What do living things need for a healthy habitat? </div>
Acquisition		Evidence
Students will know... <ul style="list-style-type: none"> • The needs of living things at Muir Woods. • The indications of a healthy habitat. 		Students will be able to ... <ul style="list-style-type: none"> • Recognize the patterns of a healthy habitat. • Identify the needs of living things. • Begin to understand how individuals and communities can help protect natural.
NGSS and CC Standards on page 2 (back of hard copy)		

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CA Next Generation Science Standards

K-LS1-1. Use observations to describe patterns of what plants and animals need to survive.

1-LS1-1. Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.

2-LS2-1. Plan and conduct an investigation to determine if plants need sunlight and water to grow.

<http://www.cde.ca.gov/pd/ca/sc/ngssstandards.asp>

CA Common Core Standards

Writing:

W.3.K: Use a combination of drawing, dictating, and writing to narrate a single event, include details.

W.3.1 & W.3.2: Write narratives to develop events, include details.

Speaking and Listening:

1. K, 1.1 & 1.2: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led).

www.cde.ca.gov/be/st/ss/documents/finaelacssstandards.pdf

National Park Service Curriculum Resources

- Rings, Ripples, and Echoes web curriculum portal : <http://www.nps.gov/goga/forteachers/elementary-04.htm>
- Save the Redwoods League: <https://www.savetheredwoods.org/>